



Title Tryptase Substrates and Assay for
Tryptase Activity Using Same
Applicant: NILES et al.
Serial No: 09/955,639
Atty. Docket No.: 34506.115

THE SHECTER & BERGER NOMENCLATURE

Substrate
Enzyme

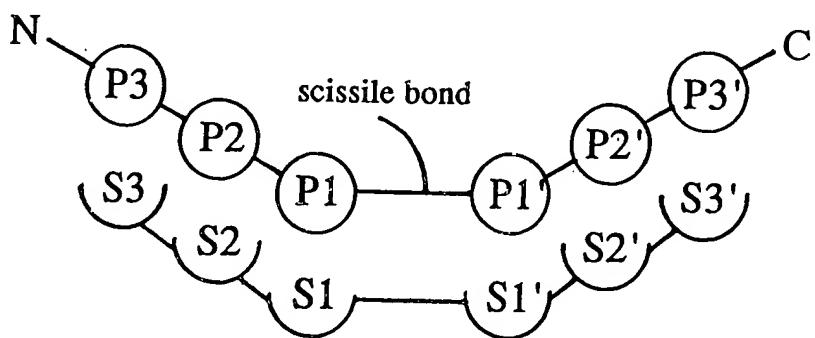


Fig. 1

Human β -I Tryptase
P1-Diverse Library Ac-X4-ACC

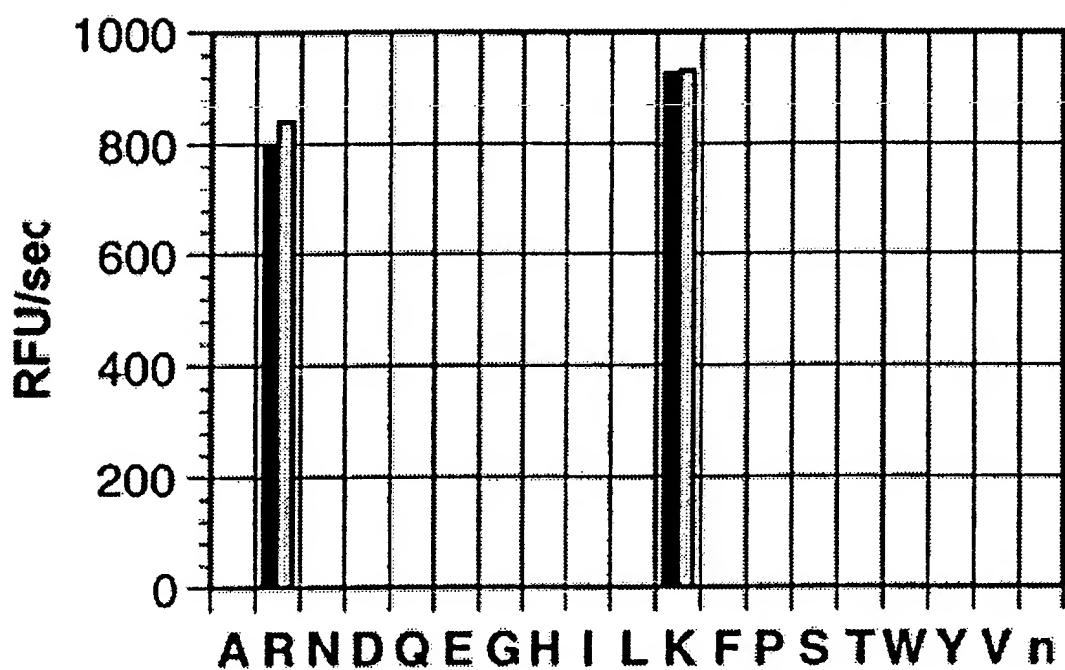


Fig. 2

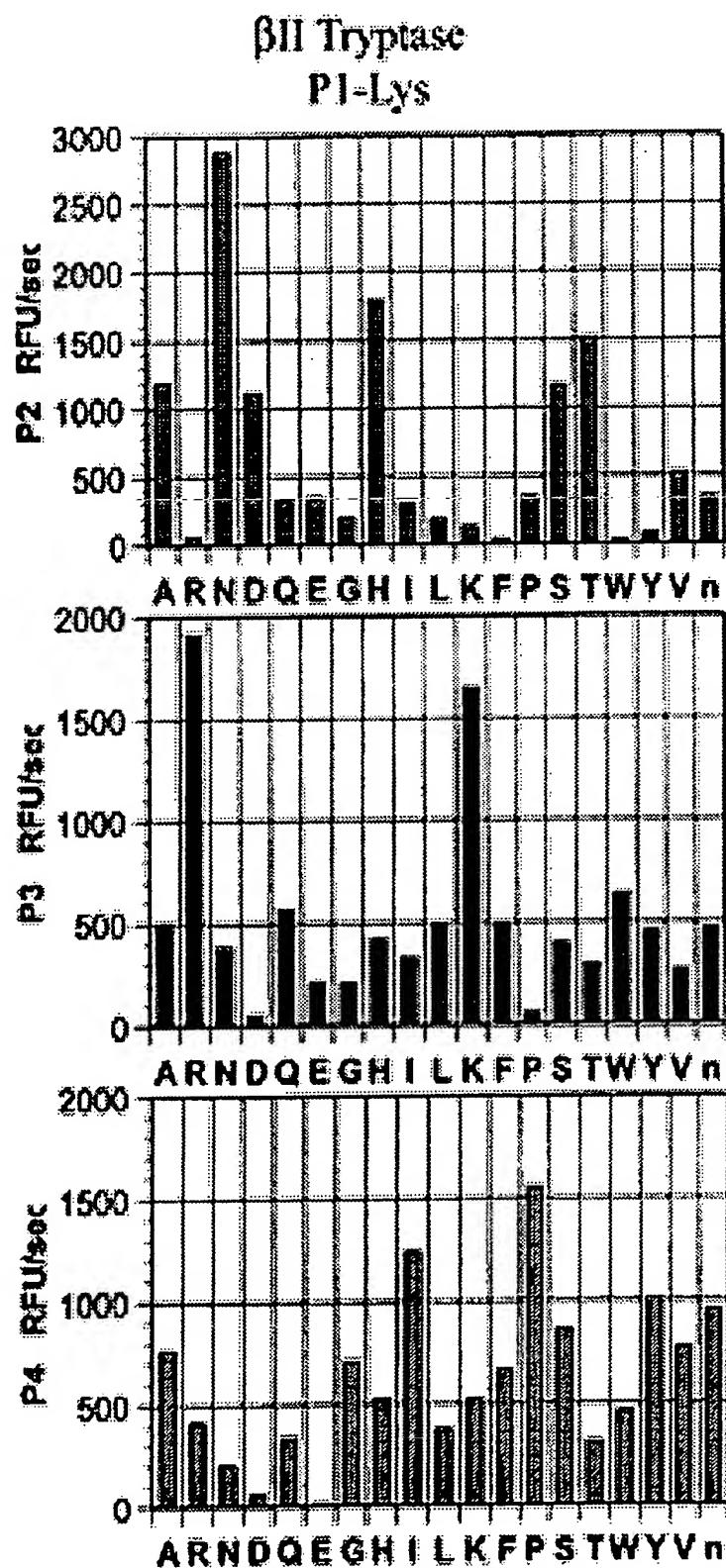


Fig. 3a

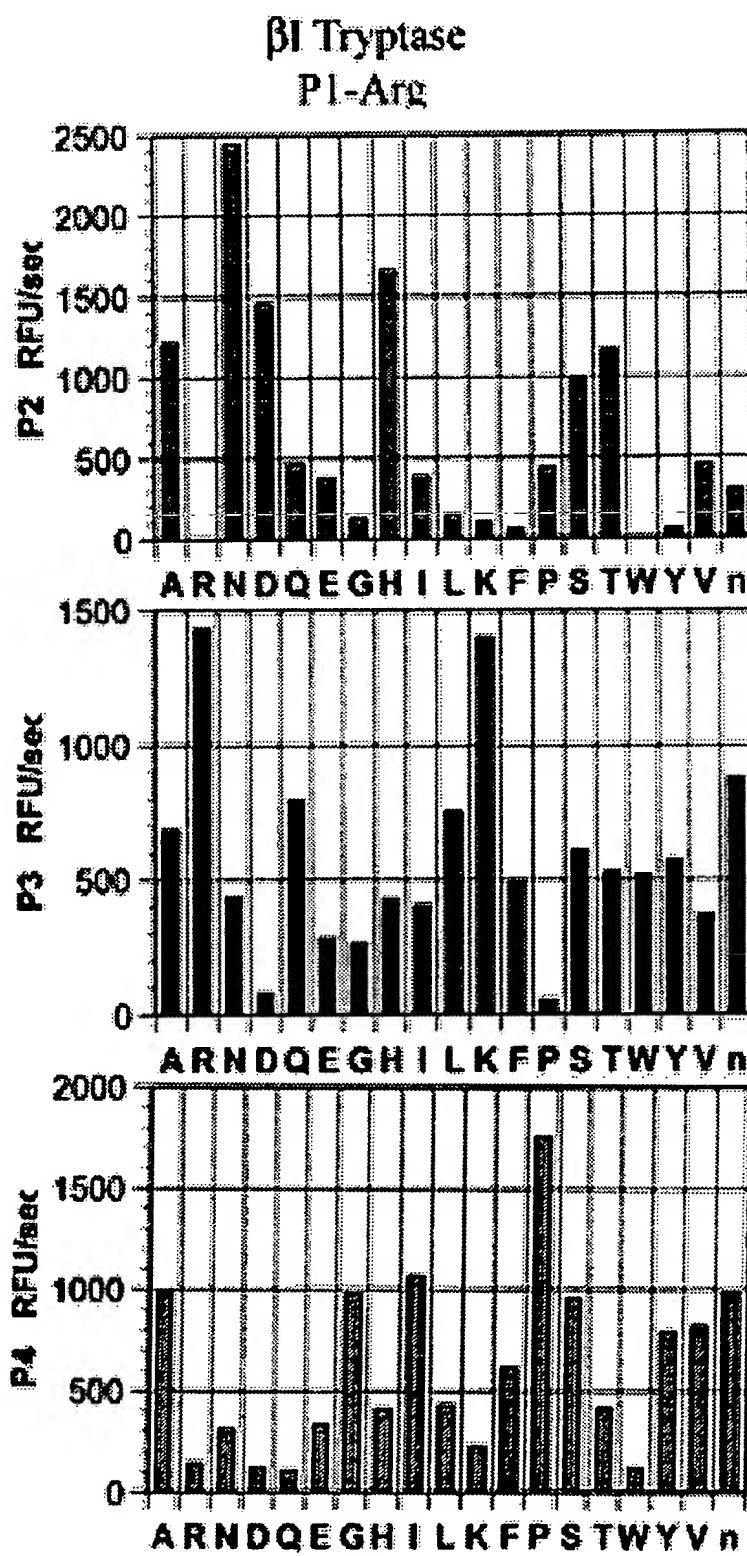


Fig. 3b

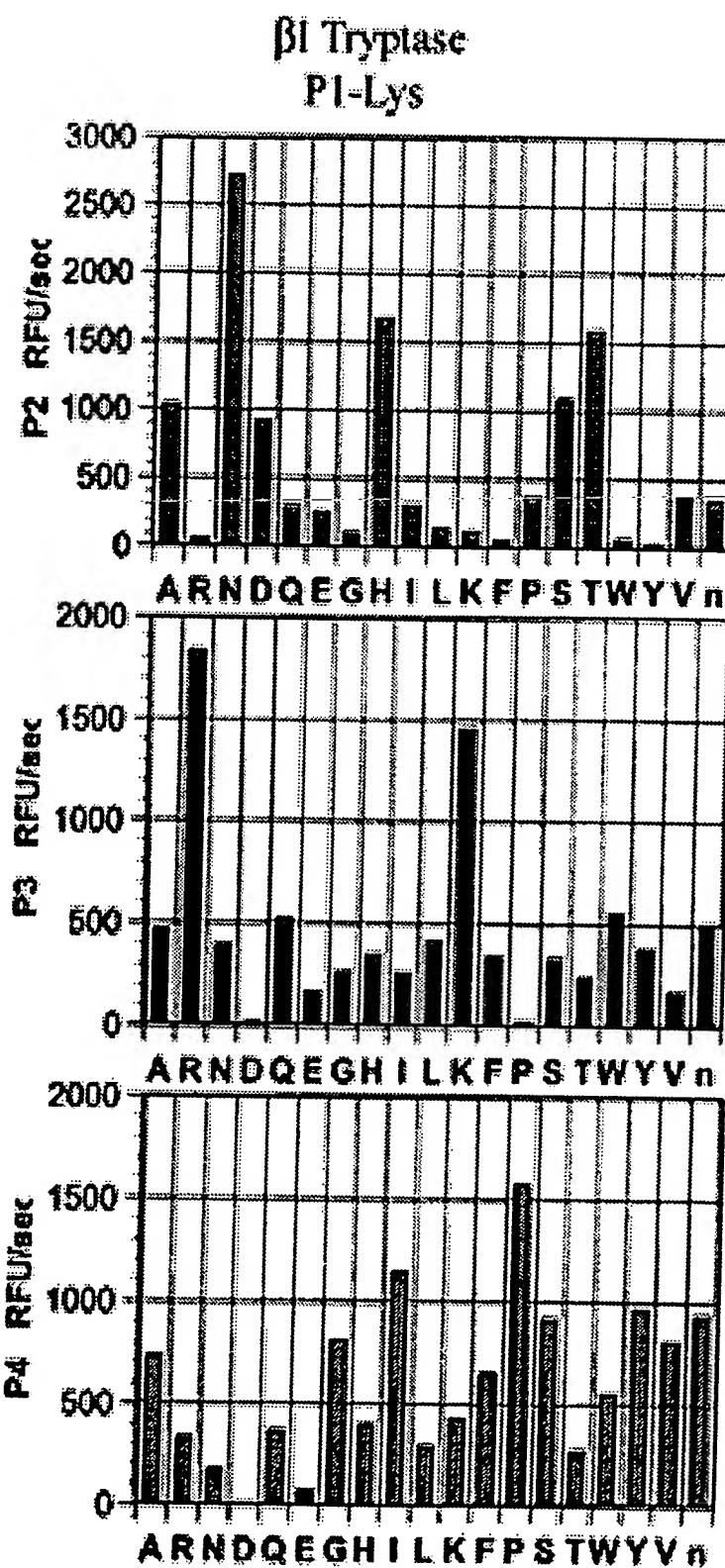


Fig. 4a

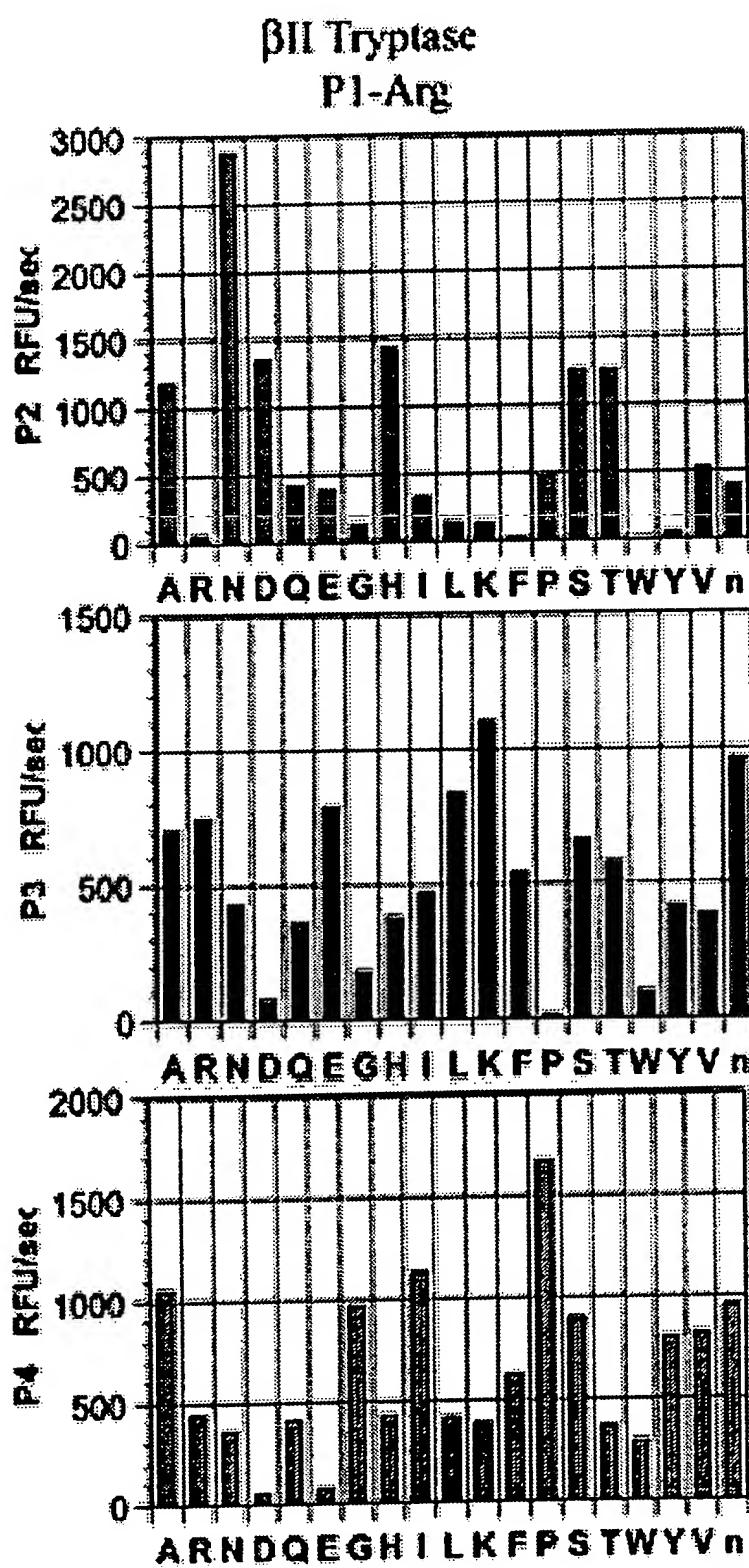


Fig. 4b

Ac-PRNK-ACC as an Optimized Tryptase Substrate
(Tryptase v. Factor Xa v. Human thrombin)

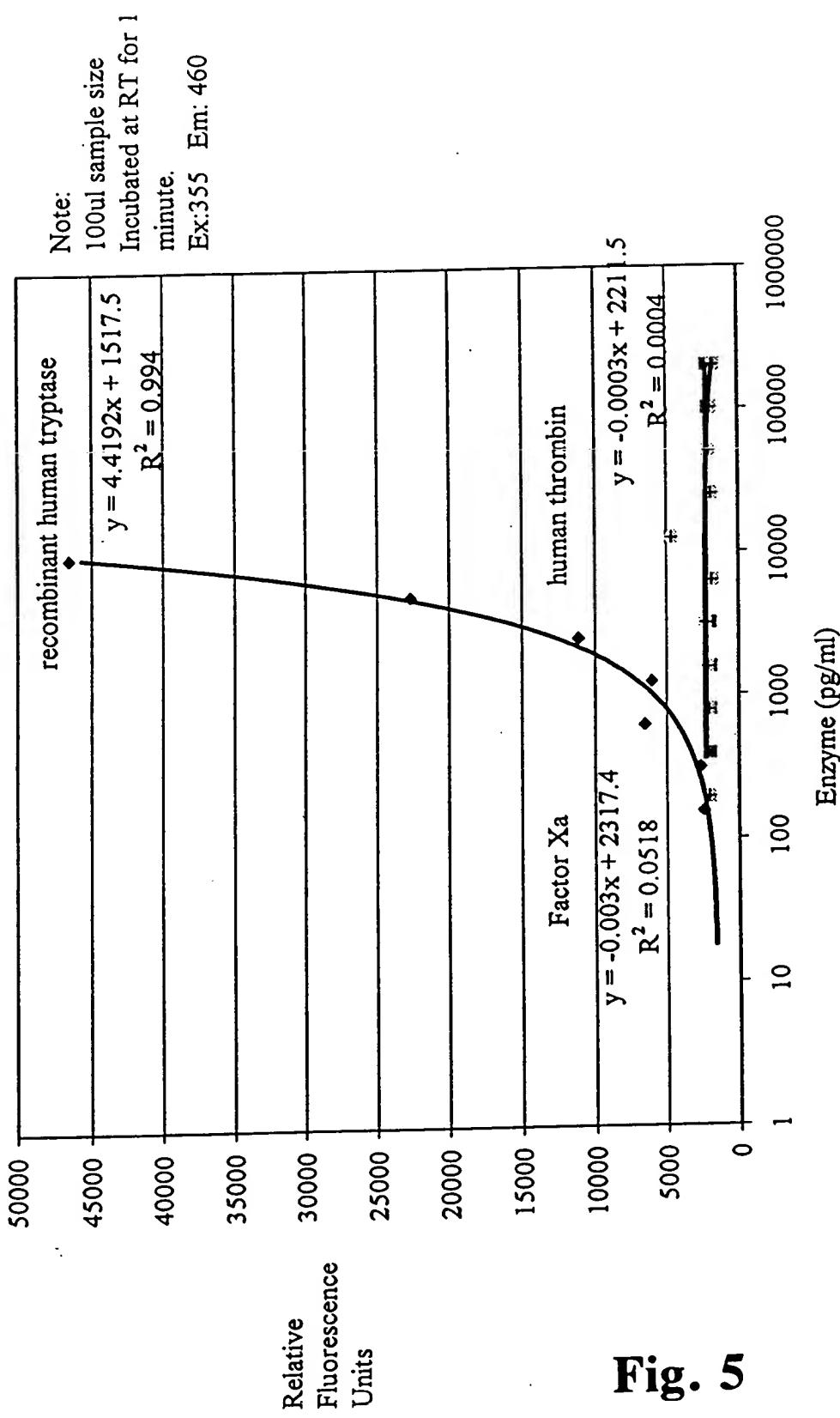


Fig. 5

Fluorometric Tryptase Activity Assay Using Ac-PRNK-ACC in Spiked Assay Buffer

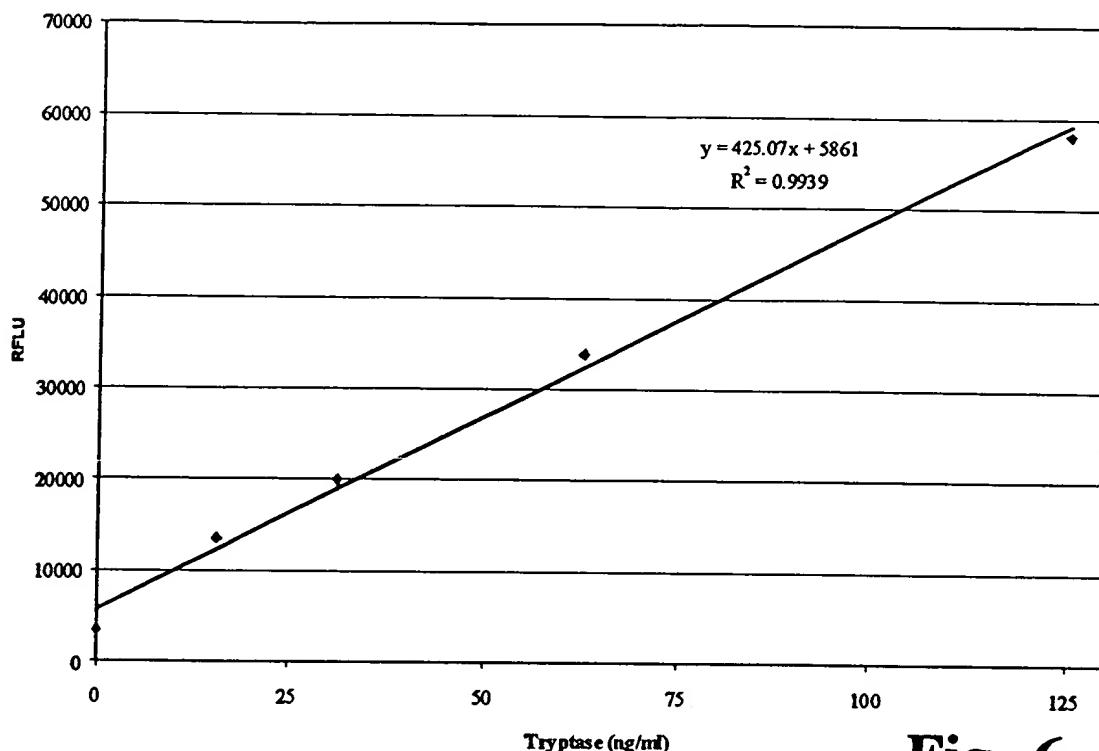


Fig. 6

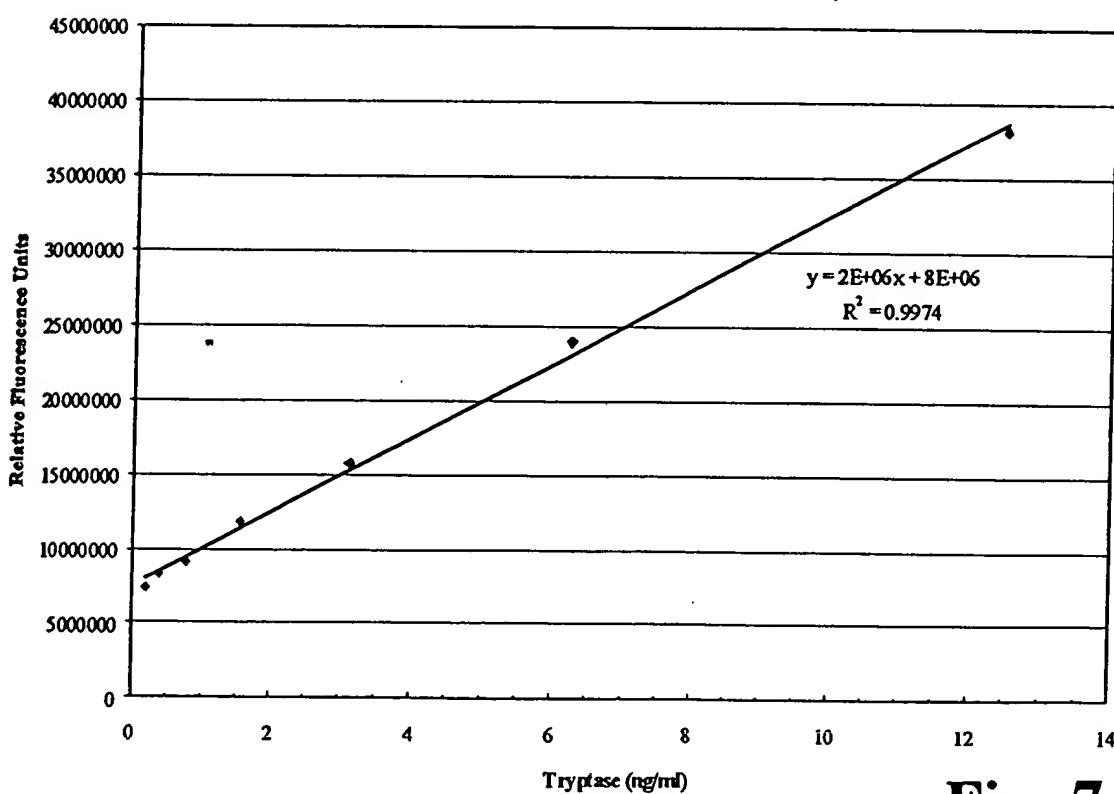


Fig. 7

Use of Ac-PRNK-ACC as a Fluorometric Tryptase Substrate

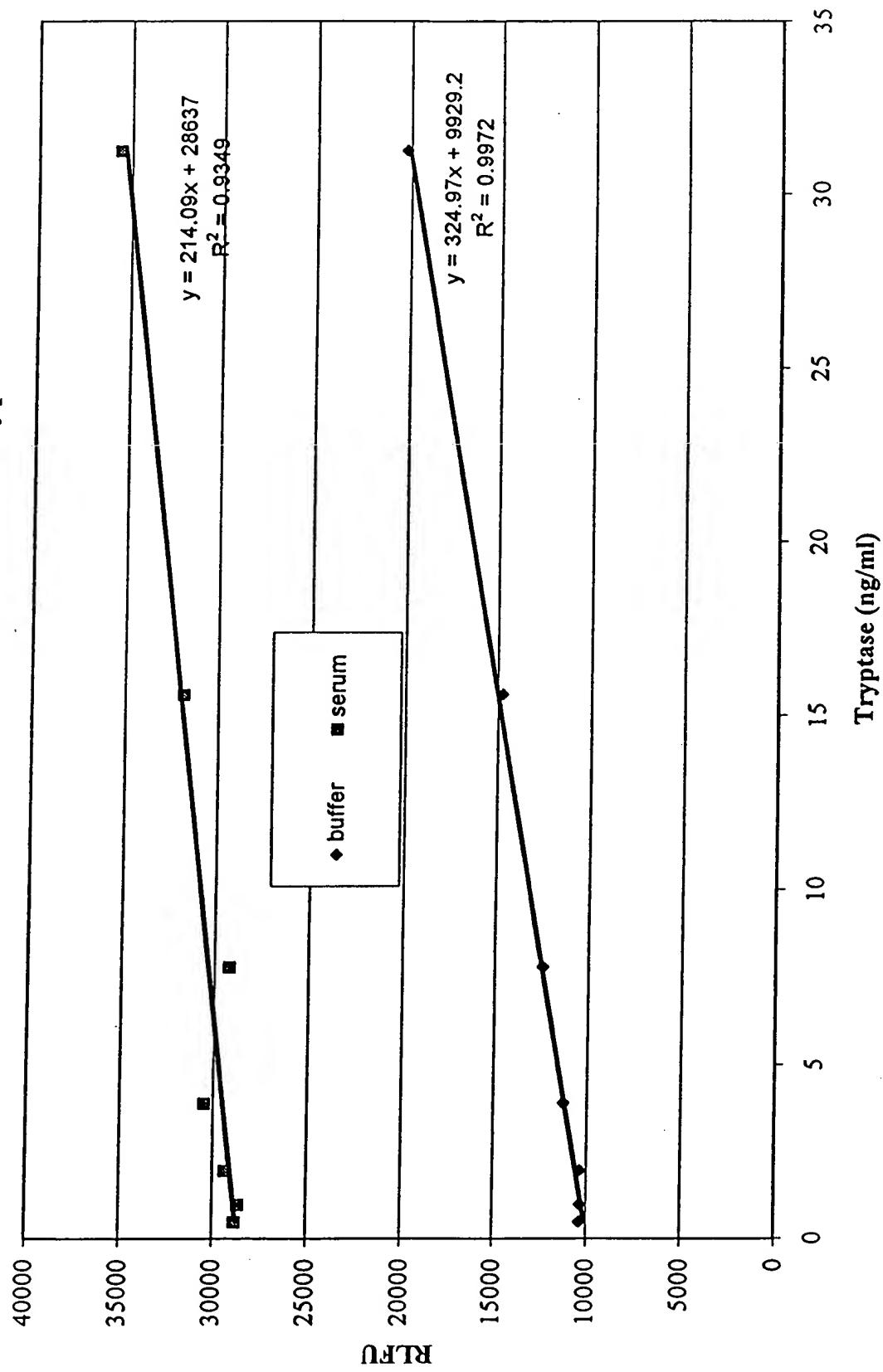


Fig. 8

Exogenously Added Protease Inhibitors:
Effects on Ac-PRNK-ACC based Tryptase Activity Assay

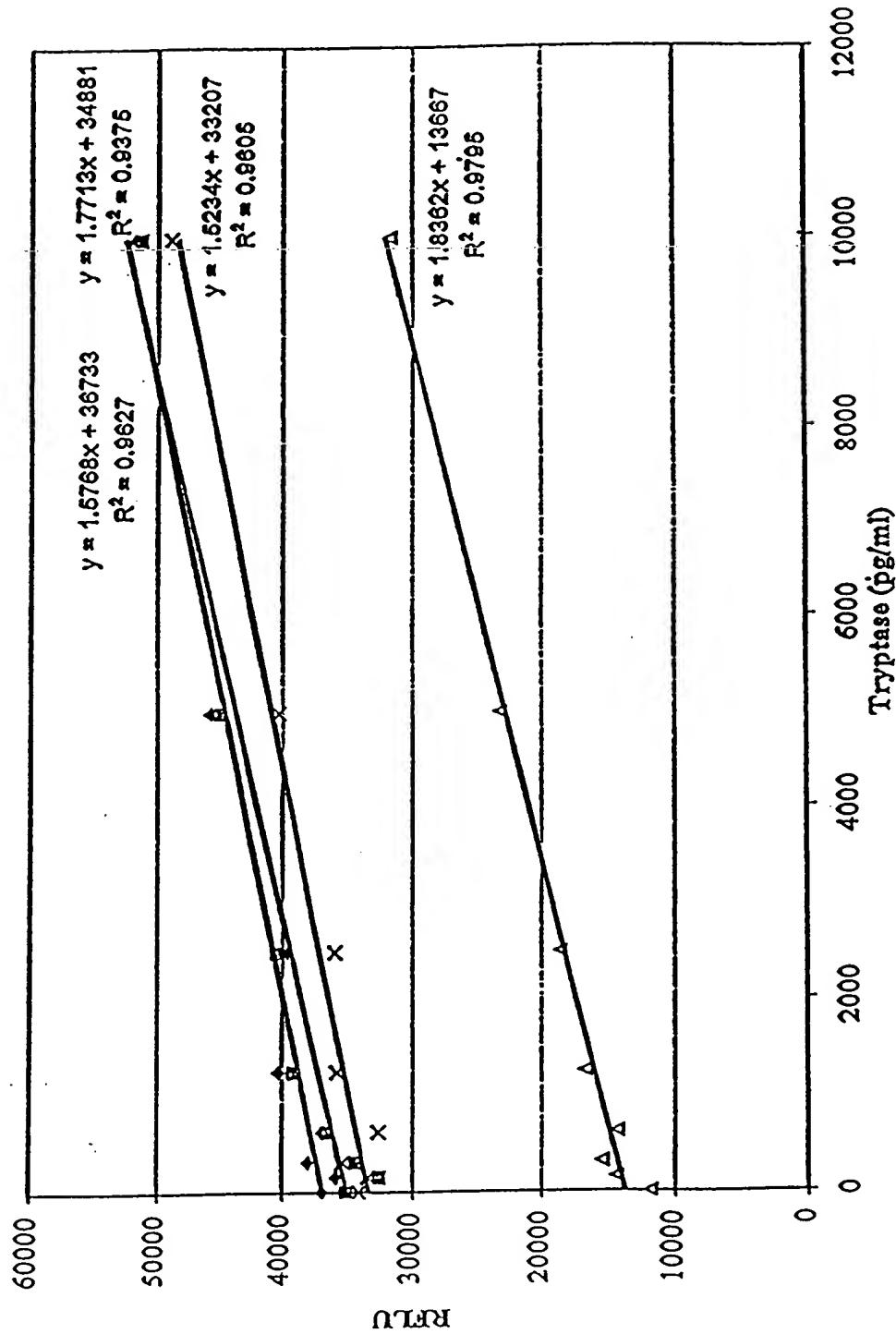


Fig. 9

Aprotinin Treated, Tryptase Standard Curves
(Serum v. Buffer)

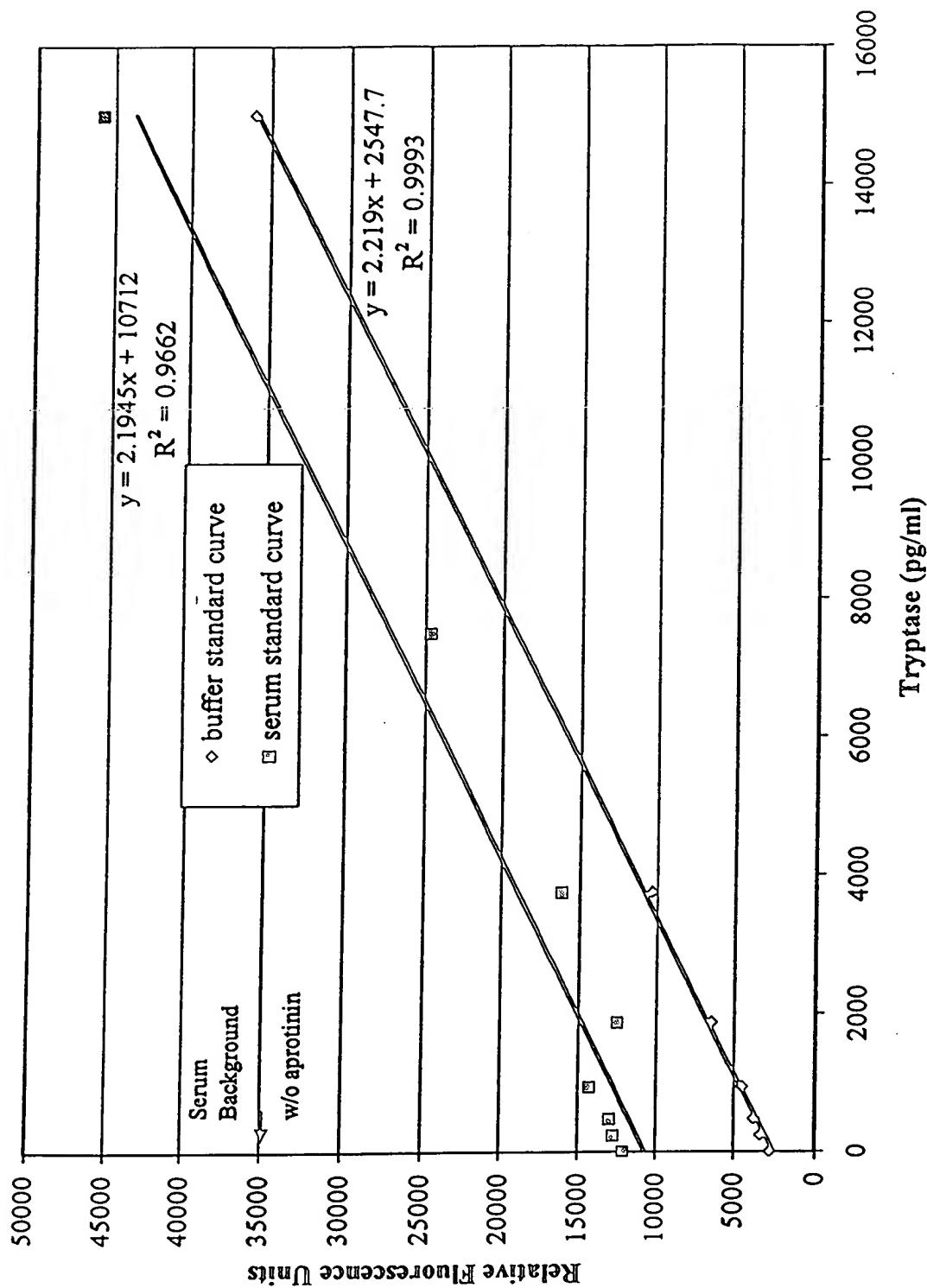


Fig. 10

Tryptase Quantitation in Urine
(Aprotonin Treated v. Uninhibited Samples)

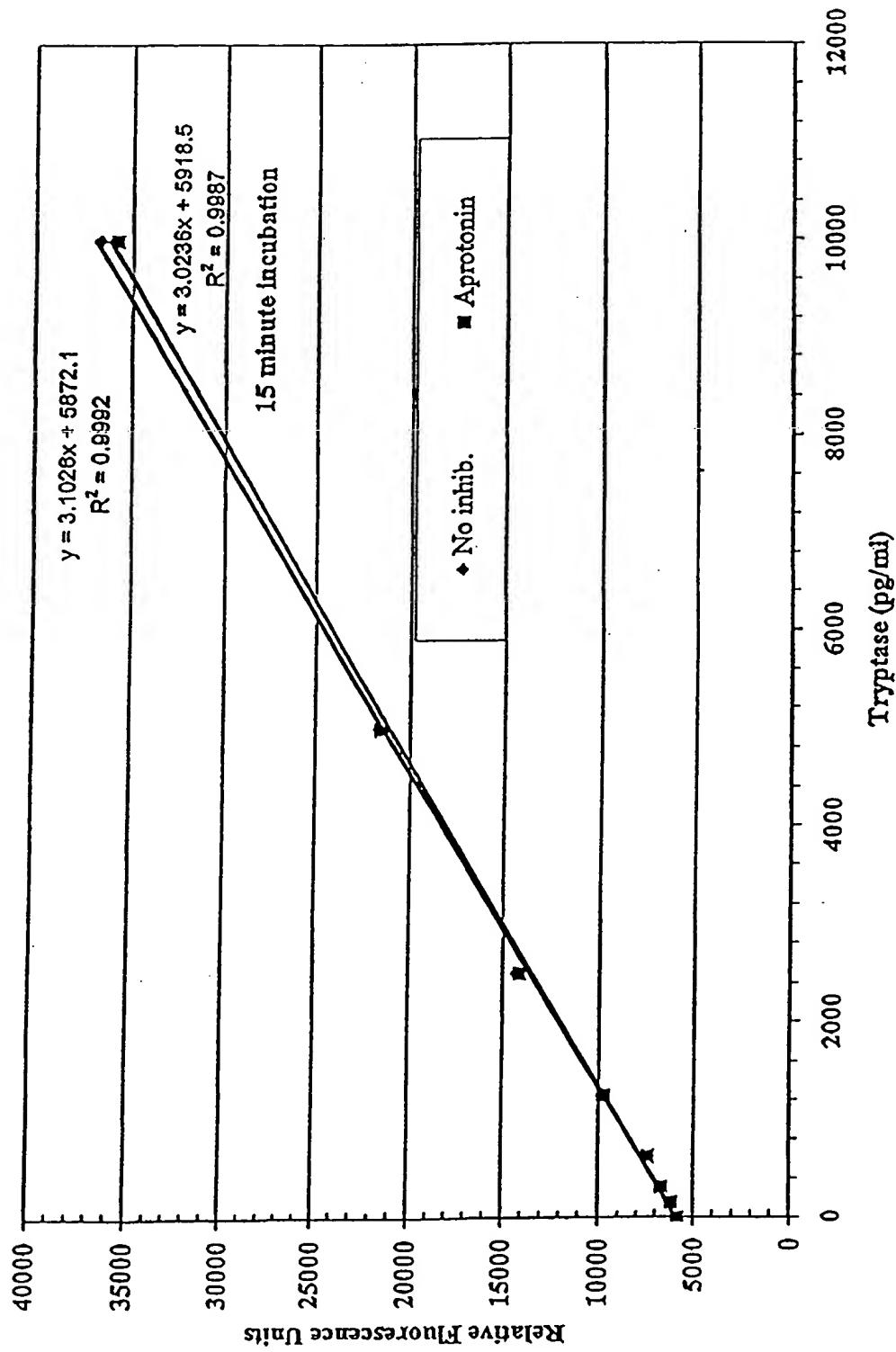


Fig. 11

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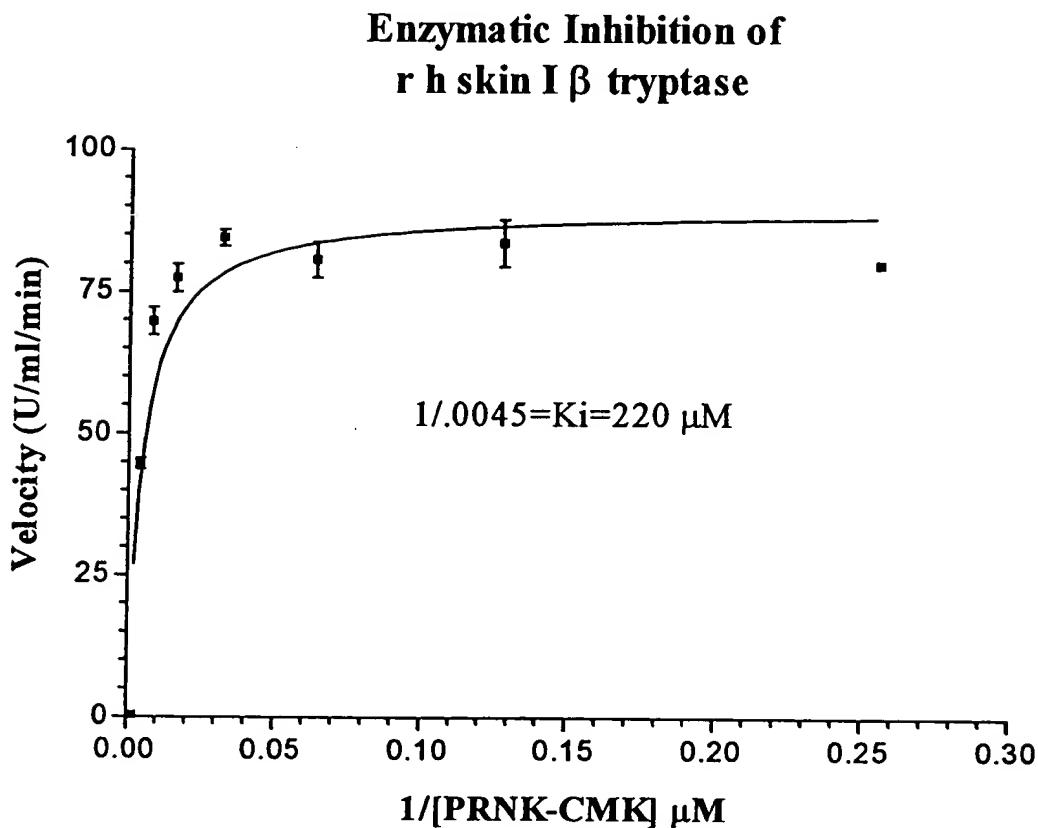


Fig. 12

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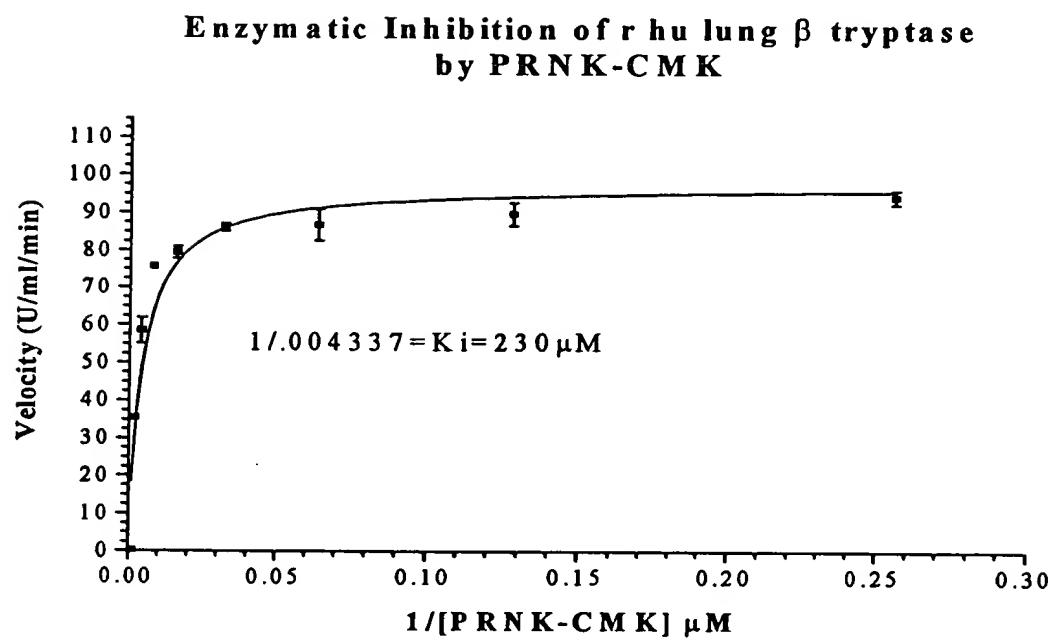


Fig. 13

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**Enzymatic Inhibition of Factor Xa
by PRNK-CMK**

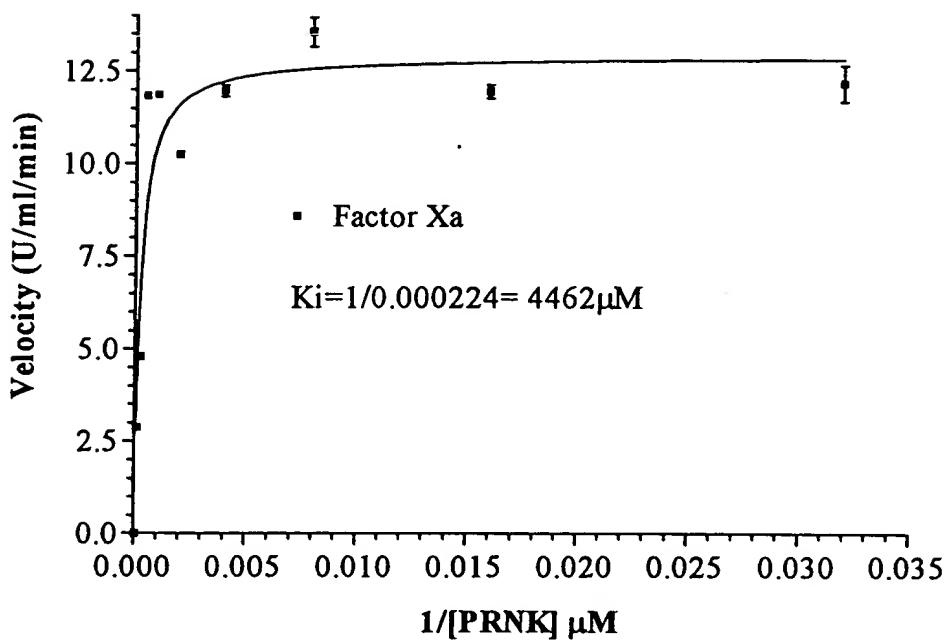


Fig. 14